

# CARBO-LUBE Lubricant

## Boost drilling efficiency and minimize downtime to TD with a proven lubrication solution

### Applications

- CARBO-DRILL invert emulsion drilling fluid
- Deviated and extended-reach wells
- Wells with a high torque condition

### Benefits

- Provides greater lubricity to enhance ROP to total depth (TD)
- Helps reduce torque and drag for faster drilling and reduced rig time
- Maintains high stability at temperatures of 338°F (170°C) or greater

The CARBO-LUBE™ high-temperature lubricant from Baker Hughes provides greater lubricity and reduced torque and drag in deviated and extended-reach drilling applications. The product is designed as a component of the CARBO-DRILL™ invert emulsion drilling fluid system.

CARBO-LUBE is formulated for stability, even under the most adverse drilling conditions. CARBO-LUBE maintains this high-efficiency performance even in high-temperature environments up to 338 °F (170°C).

CARBO-LUBE helps optimize drilling efficiency by enhancing the lubricity of the entire drillstring. CARBO-LUBE helps reduce torque and drag effects, which allows for easier sliding and directional control. These lubricating benefits also reduce WOB to extend the reliability and working life of the bit. Drilling proceeds faster and more accurately to TD with a higher average ROP— ultimately delivering greater drilling efficiencies at lower costs and risks.

### Recommended treatment

CARBO-LUBE can be added to the active circulating system at concentrations of 1.0 to 3.0% by volume.

### Packaging

The CARBO-LUBE lubricant is packaged in 1000-L tote tanks.

### Typical properties

Appearance	Amber/yellow liquid
Specific gravity	0.81 to 0.84
pH	5.0 to 7.0
Flash point	>266°F (130°C)